

Listing of the Claims:

This listing of the claims replaces all prior versions in the application.

In the Claims:

1. (Original) Method of connecting channels including a) forming at least one flow path in a first substrate; b) forming at least one flow path in a second substrate; c) contacting the first and second substrates to form at least one channel and d) forming at least one cut in an external face of the first substrate, the cut being of sufficient depth to intersect one or more of the channels such that, in use, a fluid passing along a fluid pathway defined by the at least one cut may pass into the at least one channel, characterised in that the substrates are bonded before the at least one cut is formed therein.
2. (Original) Method according to claim 1 including the step of making at least one cut in an external face of the second substrate, the cut being of sufficient depth to intersect one or more of said channels such that only the required interconnections are made by the at least one cut.
3. (Original) Method according to claim 2 including the steps of a) forming at least one flow path in a third substrate and b) joining the third substrate to the first and second substrates.
4. (Previously Presented) Method according to claim 1 wherein the at least one cut formed in the first substrate and the at least one cut formed in the second substrate are off-set.
5. (Previously Presented) Method according to claim 1 wherein the at least one cut formed substantially perpendicular to the plane of the substrate.

In re: Application of Shaw et al.
Serial No.: 09/600,837
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Page 3 of 4

6. (Previously Presented) Method according to claim 1 wherein the cuts are formed by sawing.

7. (Previously Presented) Method according to claim 1 wherein the cuts are formed by mechanical milling.

8. (Previously Presented) Method according to claim 1 wherein the cuts are formed by laser ablation.

9. (Previously Presented) Method according to claim 1 wherein the cuts are formed by photolithography.

10. (Previously Presented) Method according to claim 1 wherein the cuts are formed by chemical etching.

11-24. (Canceled)